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7-1-1975

## WSU Research News, July 1975

Office of Research Development, Wright State University

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# WRIGHT STATE

## Research

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### Office of Research Development

July, 1975  
Vol. VIII, No. 1

#### GRANTS AND AWARDS

Funding for the Handicapped Student Services in the amount of \$85,000 has been granted for the third and final period of the award from the Department of Health, Education, and Welfare. This program under the direction of Patricia Marx provides access to higher education and other opportunities for the complete development of handicapped students. Project #386.

Drs. James Noel and Benjamin Richard are conducting research for the Village of Yellow Springs in "An Inventory and Evaluation of the Geologic Environment of Yellow Springs, Ohio." An amount of \$3,618 will be paid for this study. Project #387.

Dr. George Kantor received additional funding in the amount of \$2,837 from the National Cancer Institute for Project #392 (listed in the June issue as \$24,923), to cover increased personnel and equipment costs from the time of his application in 1974 and the grant award in 1975. Applicable indirect costs also will be increased \$549.

Dr. Rubin Battino was awarded \$29,208 by the National Institute of General Medical Sciences to continue his research on the "Solubility of Gases in Water and Cyclic Solvents." This will be the eighth year of this study on the solubilities of gases in liquids and the permeability of cell membranes. Project #401.

#### FISCAL YEAR 1974-75

Although the expected avalanche of grants and contracts for June has not yet appeared, the fiscal year activity has not been as bad as the national economy might have predicated.

Some 136 proposals (formal) plus 39 proposals (preliminary and informal) have been submitted by university faculty and staff.

There have been (to date) 66 awards plus some added funding to old grants or contracts and some renewals. The total amount of funding approximates \$1,200,000 for 1974-75.

New Feature

Proposals submitted through the Office of Research Development in the previous month.

- 75-104      Drs. Mitchel Simpson & Joseph Thomas      5/8/75  
National Science Foundation      \$60,212 (was P75-21)  
  
"Investigation of Radiation Effects at High Temper-  
atures by Dislocation Damping in Metals and Alloys"
- 75-105      Drs. Mitchel Simpson & Joseph Thomas      5/8/75  
Energy Research and Development Administration  
\$60,212 (was P75-25)  
  
"Investigation of Radiation Effects at High Temper-  
atures by Dislocation Damping in Metals and Alloys"
- 75-119      Dr. Thomas Tiernan      5/5/75      WPAFB - Air Force  
Materials Laboratory      \$139,875  
  
"Development of Advanced Mass Spectrometric Methods  
for Failure Analysis: Characterization of System  
Components and Degradation Products"
- 75-120      Dr. Rubin Battino & Mr. Julius Becsey      5/5/75  
Air Force Office of Scientific Research      \$67,880  
  
"Ionic Transport Properties in Non-Aqueous Electrolyte  
Solutions"
- 75-123      Dr. John Beljan      5/2/75      NASA-Ames Research Center  
\$24,995 (addition to #358)  
  
"Effect of SL/4 Light Environment and Confinement  
on Rhythm Synchrony and Deconditioning"
- ✓ 75-124      Patricia Marx      5/5/75      Ohio Rehabilitation Services  
Commission      \$2,950  
  
Tape Library Equipment Expansion
- 75-125      Dr. John Beljan      5/9/75      Public Health Service-  
Health Resources Division, Chicago  
  
Capitation Grant Application for Medical School
- 75-126      Dr. Thomas Tiernan      5/20/75      Air Force Office of  
Scientific Research      \$430,045  
  
"Regional Application of Collisional Excitation and  
Ionization"



Previous Month's Proposals (continued)

- 75-127 Dr. Edward Spanier 5/15/75 Ohio Valley Regional  
Medical Program \$26,114 (supplement to #397)  
  
A Comprehensive Study and Pilot Project Related  
to the Continuing Education Program for Practicing  
Physicians
- 75-131 Dr. Mary Lou White 5/29/75 National Endowment for  
the Humanities Fellowship Application  
  
Children's Responses to Bicentennial Media

Preliminary Proposals

- P75-35A Drs. Nicholas Piediscalzi & William Collie 5/2/75  
Carnegie Corporation of New York \$150,000
- P75-35B Drs. Nicholas Piediscalzi & William Collie 5/2/75  
Ford Foundation \$150,000
- P75-35C Drs. Nicholas Piediscalzi & William Collie 5/2/75  
Sears Roebuck Foundation \$150,000  
  
Interim Funding for PERSC
- P75-36 Drs. Nicholas Piediscalzi & William Collie 5/19/75  
Exxon Education Foundation of New York \$48,075  
  
Guide to Resources in Public Education Religion  
Studies
- P75-37 Dr. Lilburn Hoehn 5/30/75 Exxon Foundation  
\$87,718  
  
"Educational Research and Development Program"
- P75-38 Drs. Nicholas Piediscalzi & William Collie 5/29/75  
Arthur Vining Davis Foundation \$150,000  
  
Interim Funding for PERSC

\* \* \* \* \*

This would be a wonderful world if we all did as well  
today as we expect to do tomorrow.

\* \* \* \* \*

A compliment is the applause that refreshes.

YOUTHGRANTS IN  
THE HUMANITIES

The National Endowment for the Humanities has set a deadline of August 1, 1975, for proposals in the area of the Youthgrant Program. The Endowment is fundamentally concerned with restoring humanistic knowledge to its function as a guide to our personal and civic lives. As part of its efforts to promote the appreciation and use of such knowledge, the Endowment has established this program for the support of humanities projects initiated and conducted by young people.

Young people (in or out of school) are provided an opportunity to explore their own interests in the humanities and to enlarge their educational and social experience.

Projects may be :

- (1) in education
- (2) study or research of a specific problem
- (3) activities aimed at disseminating humanistic knowledge and materials, or applying them to the understanding of ethical, social, or political problems.

Projects must be designed for implementation primarily for young people, but may involve an adult as advisor or consultant.

Priority will be given to proposals which are concerned with human values as they relate to urbanization, minority problems, war, peace, foreign policy, problems of government decision, civil liberties, student and youth problems, and the broader application of humanistic knowledge and insights to the general public interest.

HUMANITIES  
DEVELOPMENT  
GRANTS

The National Endowment for the Humanities provides Development Grants to enrich and extend the impact of the humanities on the academic life of a total institution through reorganization of departments of instruction, basic revision of curricula, and improved instructional methods. These grants range from \$100,000 to \$200,000 a year for a three to five-year period.

A complete and thorough examination of resources and capabilities and the extent to which the program exerts an influence in the learning community provides a basis for any proposed modification which would qualify for these Development Grants.

\* \* \* \* \*

FORD  
FOUNDATION

The Education and Research Grants program of the Ford Foundation provides grants for experimental, demonstration, and developmental efforts (1) to improve the quality and accessibility of education in deprived areas, improving management and leadership of educational institutions, and increasing minority opportunities in higher education. (2) to develop intellectual resources through support of public education. Focus is on school improvement, educational technology, curriculum and materials development and educational leadership.

Support is also provided to higher education (including international education), research in the social sciences, and at predominantly Negro colleges. \$39,273,119 awarded in 1973 in support of two hundred programs.

Preliminary proposal should be submitted.

SPENCER  
FOUNDATION

The Spencer Foundation grants awards and fellowships for research in the behavioral sciences to expand knowledge and understanding of the problems and processes of education. Its primary interest is in research, which shows promise of improving educational science or practice with special emphasis on the behavioral sciences. Thirty-five awards totaling \$4,339,805 were made in 1973.

STUDENT-ORIGINATED  
STUDIES

The National Science Foundation has proposed November 10, 1975 as the deadline for application for the "Student-Originated Studies Program".

In order to encourage college students to express their concerns in productive ways for the environmental well-being of the nation, and to provide support for groups of students who demonstrate their readiness and increased responsibility for their own educational development, grants are awarded to support groups of students (usually 5 to 12) enrolled in institutions of higher education.

These programs must be student-originated, student-planned, and student-directed in projects concerning biological, physical, and social environmental problems. They must be inter or multidisciplinary, original, scientific in nature, capable of being reproduced, and likely to produce results for governmental or community action programs.

\* \* \* \* \*

A gem cannot be polished without friction, nor man perfected without trials.



Title: Continuing Education (13.244).

Authorization: Public Health Service Act (P.L. 78-410), as amended, Sections 303(a)(1), 433(a).

Description: Grants are awarded for continuing education programs for mental health personnel which are designed to expand the effectiveness of current mental health manpower, implement continuing education and staff development as standard components of service, training, and research programs in mental health settings, and meet the need for effective use of personnel in community mental health centers.

Eligibility: Public or nonprofit private institutions such as colleges or universities, medical schools, schools of public health, community mental health centers, hospitals, clinics, professional organizations, or state or community agencies. Individuals training in funded projects may be nonpsychiatric physicians, mental health personnel, behavioral sciences or allied professions (such as lawyers, teachers, clergy, public administrators, etc.), nurses and related therapeutic personnel, and social services and related personnel.

Procedure/Deadline: September 1, 1975. (This deadline is tentative, and funding of new projects in FY 1976 is dependent on the FY 1976 appropriation for mental health training.) The submission of preliminary proposals several months prior to formal application is strongly encouraged.

Contact: Mr. Warren Lamson, Chief  
Continuing Education Branch  
Division of Manpower and Training Programs  
National Institute of Mental Health  
5600 Fishers Lane  
Rockville, Maryland 20852  
(301-443-4045)

Title: Experimental and Special Training (13.244).

Authorization: Public Health Service Act (P.L. 78-410), as amended, Sections 303(a)(1), 433(a).

Description: Grants for innovative and exploratory time-limited projects relevant to mental health training--the development of training programs for new types of mental health personnel, training programs for mental health allied professionals, training programs for persons whose roles or functions are related to mental health, and new and experimental methods of training. Projects must be designed to serve as experiments in developing and testing models of mental health training which can be replicated by other institutions. Support is limited to a maximum of five years.

Eligibility: Public or nonprofit private colleges and universities, medical schools, schools of public health, and other training centers able to conduct programs in mental health disciplines.

Procedure/Deadline: September 1, 1975. (This deadline is tentative, and funding for new starts in FY 1976 is dependent on the FY 1976 appropriation for mental health training.) The submission of preliminary proposals several months prior to formal application is strongly encouraged.

Contact: Dr. Ralph Simon, Chief  
Experimental and Special Training Branch  
Division of Manpower and Training Programs  
National Institute of Mental Health  
5600 Fishers Lane  
Rockville, Maryland 20852  
(301-443-3893)

Title: Pre-College Instructional Improvement Implementation (47.019).

Authorization: National Science Foundation Act (P.L. 81-507).

Description: The Instructional Improvement Implementation program aims to improve the capability of science faculty and science supervisory personnel to implement new science education programs at the pre-college level in the natural and social sciences and mathematics. Emphasis is placed on mechanisms for implementation where the materials and approaches to be utilized are contained in nationally recognized curricula. For administrative purposes, proposals are classified by the types of implementation activities and by the target group directly affected. The following groups include specific training projects:

Leadership Specialist Projects: To be directed toward specialized educational personnel who influence curricular decisions.

Teacher Projects: Designed to bring about classroom change through teacher utilization of new instructional materials or practices.

Eligibility: Proposals may be submitted by colleges and universities which grant at least a baccalaureate degree and by appropriate nonprofit organizations. Prospective participants in the program should be currently employed as teachers of science (or science or mathematics supervisors) at the pre-college level.

Status: The funding level for FY 1975 was \$12.5 million, and about 300 awards under this program will be announced in January. The guidelines for FY 1976 will be published around March, but information on the budget request for that year is not yet available.

Procedure/Deadline: Proposals submitted should include the major objectives of the project, future plans, project description, plans for evaluation, and an itemized budget. The deadline for FY 1975 was August 1, 1974, with awards to be announced in January 1975, and it is expected that the deadline for FY 1976 will again be August 1.

Contact: Walter L. Gillespie, Section Head  
Instructional Improvement Implement Section  
Division of Pre-College Education in Science  
National Science Foundation  
5225 Wisconsin Avenue, N.W., Room 416  
Washington, D.C. 20550  
(202-282-7950)

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**I I E OVERSEAS  
STUDY GRANTS**

The Institute of International Education has announced a deadline of November 1, 1975, for application to the program of grants for graduate study and research abroad in academic fields and for professional training in the creative and performing arts. There will be approximately 550 awards distributed around the world.

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Driving as if you were late for a dental appointment is a good safe speed.



POWER  
RESEARCH

The Electric Power Research Institute has as its goal: assist utilities in the development, distribution and utilization of electrical energy either by developing new energy sources or in making better use of existing sources.

The Institute supports research through contracts with colleges and universities (81 of 300 contracts).

There are four major areas of research support:

1. Nuclear power - nuclear safety and analysis, engineering and operation, and nuclear materials.
2. Fossil fuel and advanced systems - use of coal in an environmentally acceptable manner, development of new technologies such as solar and geothermal energy, energy storage, fuel cells, and magneto hydrodynamics.
3. Transmission and distribution - both underground and above ground.
4. Energy systems - energy supply and demand studies, environmental consideration, energy conservation, system planning and simulation.

The EPRI works jointly, in planning and coordination, with NSF, EPA, and ERDA. It has a current annual budget of \$125 million and recently had \$14 million added to cover 48 new projects.

The Institute plans to initiate an education and training component which will operate through selected colleges and universities.

NSF  
CHAUTAUQUA  
PROGRAM

Miami University received an NSF Grant for the Field Center Support of the 1975-76 Chautauqua-type Short Courses in the amount of \$31,090. These are for college teachers. Two new centers were opened for this year's programs. Limited participant support is provided in the form of room-rent for non-commuting participants and instructional materials.

Actual courses of instruction will be announced by A A A S in July.

\* \* \* \* \*

The explanation of triumph is all in its first syllable.

RESEARCH  
SUPPORT  
PROGRAM

The Dayton Miami Valley Heart Chapter, American Heart Association, through an annual allocation to its Cardiovascular Research Development Fund, maintains a research support program especially designed for (1) contribution to the general need for additional research in the cardiovascular field; (2) aid to the development of the Miami Valley as a medical research center; and (3) to aid Miami Valley universities in the development of graduate degree programs in the biological sciences.

Four categories of research awards are available:

The Grants-in-Aid Award is made to an individual who is clearly qualified to conduct independent research. Maximum award is \$10,000. Application deadline is October 1.

The Research Assistantship Award is made to a faculty member of an educational institution to support a graduate student working as his assistant on an approved research project.

The award is for \$2,000 per academic year, and is made contingent on the waiving of tuition by the institution for the graduate student concerned. No deadline.

The Research Associate Award is made to an institution to help it acquire trained research personnel who hold doctoral degrees. The amount of the award is flexible and is determined for each situation by the governing committee of the Chapter's Scientific Council. No deadline.

The Research Fellowship Award is made to an individual who holds a medical degree and who wishes to obtain training and experience in a research laboratory in preparation for a possible career in research. The maximum award is \$5,000 per year. This may be supplemented by the laboratory concerned with the approval of the Chapter. Two years experience in this category of operations will qualify the applicant to make application for a national level Advanced Research Fellowship. Application deadline is January 1, 1976.

There are also Community Service Demonstration Awards in support of demonstration projects designed to improve the care and rehabilitation of cardiovascular ailments and Continuing Medical and Nursing Education Awards in support of conferences, seminars, and clinics which provide continuing education opportunities for physicians and nurses.

Complete details on the above programs and the application forms are available at the Chapter Office, 124 North Jefferson Street, Dayton, Ohio 45402.

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OHIO FUNDING  
SOURCES

For those who may be interested in Ohio Foundations as funding sources, there is a "Charitable Foundations Directory for the State of Ohio, 1973" (Library reference OAT 1.5: 1/193 and supplement) in the University Library.

Some of local interest include:

- |                   |   |
|-------------------|---|
| Auglaize County   | - Hauss Helms Foundation, Inc.<br>- I. E. Industries Foundation<br>- Minster Machine Co. Foundation   |
| Clinton County    | - Charles F. Fisher Trust<br>- Irwin Auger Bit Co. Foundation<br>- Rachael W. Vanderwort Trust  |
| Darke County      | - American Aggregates Foundation<br>- The Coppock-Hole Trust<br>- Four-shra-nish Trust  |
| Greene County     | - M. L. Beal Trust<br>- Louise Greet Trust<br>- The Vernay Foundation   |
| Logan County      | - James Forsythe Milroy Foundation<br>- Mary E. Powell Fund   |
| Mercer County     | - Dwight W. Davis Trust<br>- Mercer County Civic Foundation<br>- Richardson-Bretz Memorial Endowment Fund<br>- Western Ohio Educational Foundation  |
| Miami County      | - Francis L. Allison Charitable Trust<br>- Alfred L. Flesh, Jr. Memorial Trust<br>- The French Oil Mill Machinery Co. Charitable Trust<br>- The Hartzell-Norris Charitable Trust<br>- The C. C. Hobart Foundation<br>- Horace H. Smith Trust<br>- The Tipp Foundation Trust<br>- The Troy Foundation<br>- Wings Over Africa, Inc.<br>- Nellie Mae Adams Trust<br>- William H. Maier Trust<br>- Charles C. Hayner Trust<br>- Ormet Foundation<br>- The Knoop's Children's Home |
| Montgomery County | <u>General Purpose</u><br>- The Allyn Foundation<br>- Apple Foundation<br>- Robert J. Barth Foundation<br>- Beerman Foundation, Inc.<br>- Loren M. Berry Foundation<br>- The Brooks Foundation<br>- Cassano Foundation, Inc.  |



Ohio Funding Sources (continued)

Montgomery County

- James M. Cox, Jr. Foundation
- James M. Cox Trust
- Community Center for Perceptual Development, Inc.
- The Davis Foundation, Inc.
- Dayco Charitable Foundation Corporation
- Dayton Area League of Women Voters Education Fund
- The Dayton Casting Company Foundation
- The Dayton Foundation
- The Dayton Foundation Trust
- The Dayton Rotary Club Foundation
- Donenfeld Foundation
- East Dayton Tool Foundation
- Ada Eley Trust
- Engineering & Science Institute of Dayton
- Morris P. Felman Foundation, Inc.
- Linda M. Ferguson Trust
- Finn Foundaries Foundation
- Samuel L. Finn Foundation
- The Thomas B. Fordham Foundation
- A. L. Freeland Foundation
- William H. Gamble Trust
- Globe Industries Foundation
- Edward R. Godfrey Foundation
- The Greater Dayton Jaycee Foundation
- Hipple Foundation
- Housing Now, Inc.
- The Huffman Foundation, Inc.
- In the Beginning Associates
- The Max & Silvia Isaacson Foundation
- The J. P. W. Foundation
- The Richard J. Jacob Family Charitable Foundation Corporation
- The Robert B. Jacob Family Charitable Foundation Corporation
- The Kettering Family Foundation
- The Kettering Fund
- Charles F. Kettering Foundation
- Kimmel Foundation
- Louise Kramer Foundation
- Kuhns Brothers Company Foundation
- The Little Exchange Foundation
- The Abe Margolis Foundation
- Shirley & Marshall Mazer Foundation
- Maxon Construction Company Foundation
- Mead Corporation Foundation
- Nelson Mead Fund
- The George Meade, Jr. Foundation
- The Moss Foundation

Ohio Funding Sources (continued)

Montgomery County

- Mc Call Employees Civic Association
- The N. C. R. Foundation
- The Oelman Foundation
- Orleton Trust Fund
- The Edward T. Pardner Foundation
- PAV Foundation
- The Jesse Philips Foundation
- The Polk Foundation
- Precision Rubber Products Foundation, Inc.
- Price Brothers Foundation
- The Rike Foundation
- The Rike-Kumler Corporation Foundation
- The Mason Roberts Foundation
- Rodgers Foundation, Inc.
- Roswal Foundation
- The Runnymede Foundation
- Harriet Sanders Trust
- Abe & Sara Schear Foundation
- Henry G. Schneider Family Foundation
- Louis & Isabel Schriber Foundation
- The Sherman-Standard Register Foundation
- Frederick C. Smith Foundation
- The Frank M. Tait Foundation
- The Nelson Talbott Foundation
- Taylor Foundation, Inc.
- The Joseph Thal Family Foundation, Inc.
- Thiele Foundation
- Thomas C. Wasmuth Foundation
- The Weston Wabash Foundation
- Westab Inc. Charitable Trust
- Lyall Woolpert Foundation
- The John & Willa Yeck Fund
- J. Milton & Doris F. Zimmerman Foundation

Educational-Scholarship

- Dayton Orthopedic Medical Fund, Inc.
- Everhard Fund
- George J. Graham Scholarship Fund
- The Marsha Kyle Memorial for Theatre & Music
- Helen Mack Scholarship Fund, Inc.
- Miami University Student Aid Fund
- The Harry W. & Margaret Moore Foundation, Inc.
- The Agnes B. Shawen & Charles E. Shawen Scholarship Fund

Ohio Funding Sources (continued)

Montgomery County

Educational-General

- Morris P. Felman Foundation
- Institute for Development of Educational Activities, Inc.
- Institute for Purchasing Research
- The Ohio Center for Leadership

Religious

- Morris P. Felman Foundation

Children

- Childrens Trust Fund
- Fresh Air Fund

Aged or Infirm

- Edith M. Brubaker Trust

Medical Research or Aid

- American Medical Research Foundation
- Kettering Scientific Research, Inc.
- The Harry W. & Margaret Moore Foundation, Inc.
- South Community Mental Health Corporation
- Mary L. Dixon Trust

Other

- Dayton Fund for Home Rehabilitation
- Masonic Blood Bank
- Poems for Charity Trust (Publishing & Distribution of Poems of Paul Shively)
- Miriam Rosenthal Memorial Trust Fund (cultural)

Preble County

- J. Allen Mc Clain Trust
- The St. Clair Foundation

Shelby County

- The Monarch Machine Tool Corporation Foundation

Warren County

- Henkle Foundation
- The Abe & Rose Kaufman Scholarship Fund, Inc.
- Narcissa Price Steddone Fund
- Howard S. Conover Trust
- Marie Conover Trust

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Good character, like good soup, is usually homemade.



# SEPTEMBER DEADLINES

per

1974-75

Date

## ANNUAL REGISTER OF GRANT SUPPORT

Circle of the Square Theatre School Diana Sawds Acting Scholarships (Black)	1
Center for World Music & Related Arts of the American Society for Eastern Arts Study Scholarships	1
American Association for the Advancement of Science AAAS Socio-Psychological Prize	1
Department of Labor Doctoral Dissertation Grants	1
Russell Sage Foundation Training Program Grants	1
ARCA Foundation - Program Support	1
Exxon Education Foundation Resource Allocation Management Program	1
Educational Research Development Grants	1
Latin American Teaching Fellowships	1
Distilled Spirits Council of the United State, Inc. Alcoholism Research Grants-in-Aid	1
Smithsonian Institution - Foreign Currency Program Museum Programs	1
U. S. - Israel Binational Science Foundation Cooperative Research	1
American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc. Grants-in-Aid	1
The Camille & Henry Dreyfus Foundation, Inc. Nominal Grants	1
American College of Physicians Training & Research Scholars	1
The Arthritis Foundation - Postdoctoral Fellowships Clinical Scholar & Senior Investigator Awards	1

September Deadlines 1974-75  
Annual Register of Grant Support (continued)

	<u>Date</u>
International Union Against Cancer Eleanor Roosevelt International Cancer Fellowship	1
National Institute of Dental Research Research Fellowship Award	1
Foundations' Fund for Research in Psychiatry Postdoctoral Fellowships	1
National Institutes of Health General Research Support Grant Program	1
National Federation of Music Clubs Award Program for Summer Music Festivals	10
Rothmans University Endowment Fund - Study in Australia	15
American Catholic Historical Association Howard R. Marraro Prize	15
North Atlantic Treaty Organization - Research Grants	15
The American Museum of Natural History The Frank M. Chapman Memorial Fund	15
Alfred P. Sloan Foundation Sloan Fellowships for Basic Research	15
American-Swiss Foundation for Scientific Exchange, Inc. Postdoctoral Research	15
National Multiple Sclerosis Society - Pre and Postdoctoral Fellowship Programs	15
United Cerebral Palsy Research and Education Foundation Clinical - Fellowship Program	15
Damon Runyon - Walter Winchell Cancer Fund Research Grants	15
Council on Interracial Books for Children, Inc. Literary Contest	16
Society for Italian Historical Studies SIHS Award	20
Helen & Howard R. Marraro Prizes	20
American Council of Learned Societies Grants-in-Aid	30

September Deadlines 1974-75  
Annual Register of Grant Support (continued)

International Research and Exchanges Board  
Ad Hoc Grants to Promote New Exchanges

Date

30

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EQUIPMENT  
FUNDING

There are three federal programs which have as their primary objective the provision of funds to purchase equipment. These are:

1. NSF's Instructional Scientific Equipment Program provides partial support for the acquisition of scientific equipment which will be used to implement a new or improved undergraduate instructional program in one or more of the sciences. Proposals are evaluated in terms of:
  - o the degree to which the new instructional program represents an improvement over its predecessor;
  - o the suitability of the proposed change to the student audience and to the academic context in which the project would operate; and
  - o the degree to which the equipment to be purchased is necessary to the implementation of the new program.
2. NSF's Specialized Research Facilities and Equipment Program awards grants to provide highly specialized scientific equipment that will be used for research purposes by several researchers in a department. Preliminary proposals, which should be submitted to the appropriate division of the Research Directorate, should justify the request for the equipment on the basis of the research programs of the scientists who will use it.
3. Funds to purchase equipment may also be obtained under Title VI-A (Equipment and Materials to Improve Undergraduate Instruction) of the Higher Education Act. This program provides funds to the States on a matching basis in order to improve undergraduate courses in science, foreign languages, history, geography, government, english, the humanities, the arts and education. Deadlines and priorities are determined at the State level and colleges and universities should apply to the appropriate State commission.

\* \* \* \* \*

A great many people seem to end  
up over the hill without ever  
having actually climbed it.



INSTRUCTIONAL  
SCIENTIFIC  
EQUIPMENT

Program".

The National Science Foundation has proposed January 19, 1976 as the deadline for application for the "Instructional Scientific Equipment

Grants up to \$20,000 are awarded for periods of up to two years on a 50/50 matching basis in support of the purchase of equipment for new or improved undergraduate instructional programs in science. Equipment may be used for formal courses, honors programs, undergraduate research, independent study, preparation of science teachers, and technician education.

Science as interpreted herein includes the mathematical, physical, biological, engineering and social sciences and interdisciplinary areas within these sciences.

\* \* \* \* \*

Federal Support to Universities, Colleges, and Selected Nonprofit Institutions, Fiscal Year 1973:

Ohio Institutions

<u>Institution</u>	<u>Total</u>	<u>R &amp; D</u>
Ohio State University	44,134,000 ( 1)	22,429,000
Case Western Reserve University	21,967,000 ( 2)	13,813,000
University of Cincinnati	15,655,000 ( 3)	6,169,000
Medical College of Ohio, Toledo	5,895,000 ( 8)	403,000
University of Dayton	5,462,000 ( 4)	4,713,000
Antioch College	3,050,000 ( 5)	1,003,000
Central State University	2,669,000 (12)	191,000
Kent State University	2,445,000 ( 6)	514,000
Ohio University	2,319,000 ( 7)	484,000
Wilberforce University	1,910,000 (15)	0
Bowling Green State University	1,514,000 (10)	316,000
University of Toledo	1,195,000 (13)	178,000
Wright State University	1,172,000 ( 9)	324,000
Cleveland State	1,129,000 (14)	54,000
Miami University	992,000 (11)	239,000

FACULTY FELLOWSHIPS      The National Science Foundation awarded 93  
 AWARDED BY NSF              Faculty Fellowships in Science to help college  
    and university faculty broaden their perspective  
 in the application of science to societal problems.

Of the 589 applicants, the recipients represent 34 states, the District of Columbia, and Puerto Rico.

Fellowship stipends are based on the salary paid to the recipient for the previous year. Those receiving fellowships from Ohio are:

Charles E. Taylor, Antioch College, will serve his fellowship in Engineering at the Solar Energy Laboratory of the University of Florida.

Jon L. Williams, Kenyon College, with a fellowship in Psychology, will study at the University of Colorado, Boulder.

Terrence P. Toepker, Xavier University, with an Engineering fellowship, will be at the University of Cincinnati.

Supporting institutions receive an allowance to meet tuition and other costs for providing the place for these research fellows.

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#### LATE NOTES ON DEADLINES FOR SEPTEMBER

	<u>Program</u>	<u>Code</u>	<u>Sept.</u>
Educational Research and Development Program		Exxon	1
CETA Research Projects	17.220	Labor	1
Manpower Related Doctoral Dissertation Grants	17.218	Labor	1
Literature Program - Fellowships for Creative Writers	45.004	NEA	1
New Careers Training Grants	13.244	NIMH	1
U. S. /France Exchange of Scientists	47.014	NSF	1
Grants and Assistance for Development, Expansion, and Improvement of Medical Allied Health Education		VA	1
Research Grants (Social Security Administration)		SSA	10
National Museum - Seminar Workshop	60.007	Smithsonian	15
Stipends for Individuals for Conservation Abroad		Smithsonian	15
Stipend Support		Smithsonian	15
Advanced Academic Program		Smithsonian	15
Minority Access to Research Careers		NIH	19

See the complete Calendar of Deadlines on next page.

## CALENDAR OF DEADLINES

JULY		<u>Code</u>	<u>Date</u>
Work Experience Internships	45.011	NEA	11
Professional Education and Development	45.011	NEA	20
AUGUST			
Research in Maternal and Child Health and Crippled Children's Services 13.231 -	13.211	HSA, F-55	1
Development and Demonstration Projects for Dropout Prevention (State Programs)		C-91	1
Dance Touring Program	45.002	NEA	1
Development Grants	45.110	NEH	1
Youthgrants in the Humanities	45.115	NEH, M-68	1
Public Media-Regional Development	45.006	NEA	1
SEPTEMBER			
Utilization and Development Training Projects in Mental Health		G-39	1
Research Career Development		F-97	1
General Research Support Grants, NIH		G- 9	1
Special Training Grants in Mental Health		G-40	1
Applied Research in Vocational, Occupational and Technical Education		C-53	1
Experimental Mental Health Training Programs		G-38	1
Undergraduate Research Participation		N-39	10
State Agricultural Experiment Stations Research Programs		K-20	15
Postdoctoral Research Associateships, NRC		M-69	15
Seminars - U. S. /Japan		N-47	30
Graduate Research Fellowships - Law Enforcement		L-46	late
Development and Demonstration Projects for Dropout Prevention (OE Discretionary Grants)		C-91	thru Feb.
OCTOBER			
Foreign Curriculum Consultants		E-35	1
Group Projects Abroad		E-37	Prob. 1
Faculty Research Abroad		E-39	Prob. 1
Doctoral Dissertation Research		E-41	Prob. 1
Occupational Safety and Health Research		F- 1	1
Occupational Safety and Health Demonstration		F- 2	1
Research Support - Food and Drug Administration		F- 7	1
(continued on next page)			



<u>October Deadlines (cont.)</u>	<u>Code</u>	<u>Date</u>
Special Projects to Improve Nurse Training	F-11	1
Nursing Research Projects	F-14	1
Exploratory Research Grants	F-38	1
Research Project Grants	F-39	1
Development and Demonstration Projects (Grants)	F-40	1
Clinical Cancer Education Grants	F-99	1
Research Project Grants - NIH	G- 1	1
Minority School Biomedical Support Programs	G-12	1
Biotechnology Resources	G-17	1
General Clinical Research Centers - NIH	G-18	1
Projects to Support Animal Resources	G-19	1
Medical Library Science Research Projects	G-23	1
Biomedical Publications Grants	G-24	1
Construction of Cancer Research Facilities	G-29	1
Mental Health Research Grants	G-31	1
Mental Health Program - Project Grants	G-33	1
Metropolitan Mental Health Problems	G-43	1
Minority Mental Health Problems	G-44	1
Mental Health Epidemiology	G-45	1
Academic Career - Teacher Awards (Medical)		
in Narcotic Addiction and Drug and Alcohol Abuse	G-46	1
Career-Teacher Training Centers	G-47	1
Training for Health and Health-Related		
Professionals in Narcotic Addiction and Drug Abuse	G-48	1
Clinical Investigator Awards in Narcotic Addiction		
and Drug Abuse	G-49	1
Academic Career-Teacher Awards (Nonmedical) in		
Narcotic Addiction and Drug Abuse	G-50	1
Research on Narcotic Addiction and Drug Abuse	G-51	1
Drug Abuse Education Projects	G-53	1
Alcohol Abuse and Alcoholism	G-55	1
Mental Health of Children and Families	G-57	1
Mental Health of Aging	G-58	1
Studies of Crime and Delinquency	G-59	1
Research and Development in the Field of Aging	H- 1	1
MDTA Research Projects	K-58	1
Manpower-Related Doctoral Dissertation Grants	K-60	1
Transportation Research Opportunities for		
Universities	L-90	1
Environmental Research, Development, and		
Demonstration	M-33	1
Radiation Training	M-46	1
Faculty Research Participation Program	N-13	1
NATO Senior Fellowships in Science	N-27	1
Smithsonian Institution Program for Museum Study	O-23	1
Smithsonian Institution Foreign Currency Program		
(systematic and environmental biology		
and museum programs)	O-31	1
(continued on next page)		

<u>October Deadlines (cont.)</u>	<u>Code</u>	<u>Date</u>
Woodrow Wilson International Center for Scholars	O-35	1
Student Science Training	N-40	10
ACLS Fellowships		15
ACLS Travel Grants (Feb. to May)		15
Preparation of Professional Personnel to Educate Handicapped Children	D- 1	15
Special Education Programs in University- Affiliated Facilities for Mentally Retarded	D- 5	15
Special Projects to Prepare Personnel to Work with Handicapped Children	D- 7	15
Cooperative Education Programs	D-95	15
Equipment and Materials to Improve Undergraduate Instruction (State)	E- 1	15 or later
National Defense Foreign Language Fellowships	E-27	15
Research Fuel Cycle Assistance	M-15	15
Summer Seminars, Professions, Independent Study and Research, NEH Fellowship and Stipend Program	M-67	15
NATO Postdoctoral Fellowships in Science	N-28	27
Strengthening Developing Institutions	D-97	31
Advanced Institutional Development	D-99	31
Grants for Collaborative Projects	IREX	31
Marshall Fund Program, German		31
National Direct Student Loans	D-109	Prob. Oct.
Supplemental Educational Opportunity Grants	D-123	Prob. Oct.
College Work-Study Program	D-125	Prob. Oct.

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#### FUTURE DEADLINES AT NSF

Oceanography	August 15, 1975
Undergraduate Research Participation for 1976	September 10, 1975
Student Science Training Program	October 10, 1975
Student-Originated Studies Program	November 10, 1975
Research on Productivity Measurement Systems and Administration Services	November 11, 1975
Research Initiation Grants (Minorities) Programs	November 15, 1975
Research in Antarctica	January 1, 1976

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Even a woodpecker owes his success to  
the fact that he uses his head.